

Detailed System Design

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DDCT10-1: General Accounting Encumbrance Correction (GAEC)

Table of Contents

1. Overview	3
1.1. Document Definitions and Naming Conventions	3
1.2. Document Usage	4
Over Liquidation	5
Under Liquidation	5
Should Not Have Referenced	5
Should Have Referenced	5
1.3. Logical Document Component Structure	5
2. Publishable Specification	6
2.1. Transaction Layout: GAEC (Original Entry and Modifications)	6
2.1.1 GAEC AMS_DOCUMENT root element attributes	6
2.1.2 GAEC Document Component: ABS_DOC_HDR	7
2.1.3 GAEC Document Component: ABS_DOC_VEND	9
2.1.4 GAEC Document Component: ABS_DOC_ACTG	16
2.1.5 Original Entry GAEC Example 1 – XML layout for overpayment refund	24
2.1.6 Original Entry GAEC Example 2 – XML layout for incorrect encumbrance reference	26

1. Overview

1.1. *Document Definitions and Naming Conventions*

This section describes/defines the DTD naming conventions applied in this document.

Transaction Layout Definitions

- Attribute – The name of the data element in the database, as well as the name of the XML tag.
- Caption – The label on the User Interface that defines the data element.
- Description – A textual description of the data element.
- R/C – Required/Conditional. Required specifies that the data element is required by the interface for the transaction to successful submit. Conditional means that specified conditions must be adhere to by the interface for the transaction to successful submit. No value specifies that the data element is optional by the interface for the transaction to submit.
- Type – The data type of the data element.
 - VarChar – Variable Character text. Alphanumeric data.
 - Byte – Unsigned character.
 - Char – Character. Fixed length alphanumeric text, required to meet the exact specified size.
 - Date – Date Format YYYY-MM-DD
 - Decimal – Numeric value with a specified decimal position (9,3) = 999999999.999
 - Boolean – True/False. True conditions = "true", False conditions = "false".
 - Memo – Alphanumeric Text with a maximum of 1500 characters.
 - Currency – Numeric, with two decimal positions. Format 9999.99.
 - Integer – Numeric value, a whole number.
 - Long - Numeric value, a long whole number.
- Size – The (numeric) size of the data element
- NewMMARS Notes – Notes specific to the NewMMARS data element.

- CVL – Coded Value List, the value of the data element must come from the CVL table specified in the NewMMARS Notes.
- MMARS Derivation Notes – Notes specific to translating MMARS document layout data to NewMMARS.
 - **H**.TEXT – Data element from the header or document section of the MMARS document layout.
 - **L**.TEXT – Data element from the line or detail section of the MMARS document layout.

XML Definitions and Conventions

- Root - The NewMMARS XML file and document root declaration identifies required root elements that must contain for the XML file or document (transaction) to load into NewMMARS. The NewMMARS XML file must contain a single root element that contains specified attributes, at the file level. Each document transactions contained within the XML file must also contain a root element that contains the specified attributes, at the document level.
- Attributes - Attributes are name-value pairs that occur inside start-tags after the element name.
- Elements - Elements are the most common form of markup. Delimited by angle brackets, most elements identify the nature of the content they surround. Elements normally begins with a start-tag, <element>, and ends with an end-tag, </element>.
- CDATA Tags - In a document, CDATA instructs the parser to ignore (most) markup characters. Between the start of the section, <![CDATA[and the end of the section,]]>, all character data is passed directly to the application, without interpretation. Elements, entity references, comments, and processing instructions are all unrecognized and the characters that comprise them are passed “literally” to the application.

1.2. Document Usage

In purchasing goods and services, individuals inevitably make mistakes that require corrections. For example, a user may pay the wrong vendor or pay too much. In some cases, there is a need to correct the associated encumbrance document. This is necessary, for example, when the user references the wrong encumbrance document line or the correct line with an incorrect amount. The system needs to open a previously closed amount by reducing the document that did the referencing. However, the referencing document has also been referenced by a subsequent disbursement. Once the disbursement is presented to a bank for payment, there is no longer an opportunity to cancel the disbursement and modify the payment request. This type of scenario results in the need to post an encumbrance correction that re-opens the encumbrance document. The term “re-open,” means that the closed amount on a document line needs to be reduced to reinstate an encumbrance amount incorrectly liquidated.

New document codes will be used to perform these encumbrance corrections; the Commodity Encumbrance Correction (CEC) and the General Accounting Encumbrance Correction (GAEC). The MMARS Contract Backout process will be referred to as the Encumbrance Correction process in NewMMARS.

Listed below are the four types of corrections, with brief scenarios where they are used.

Over Liquidation

Occurs in three scenarios - (1) a line was referenced for too much. (2) When one line was referenced for too much and that overage amount should have been applied to another referenced line, the first line was an over liquidation. (3) A final reference type was used and it should have been partial.

Under Liquidation

Occurs in two scenarios - (1) a line was referenced for too little. (2) When one line was referenced for too much and that overage amount should be applied to another referenced line, the second line was an under liquidation. (3) A partial reference type was used and it should have been final.

Should Not Have Referenced

Occurs in the single scenario where a line was referenced and it should not have been.

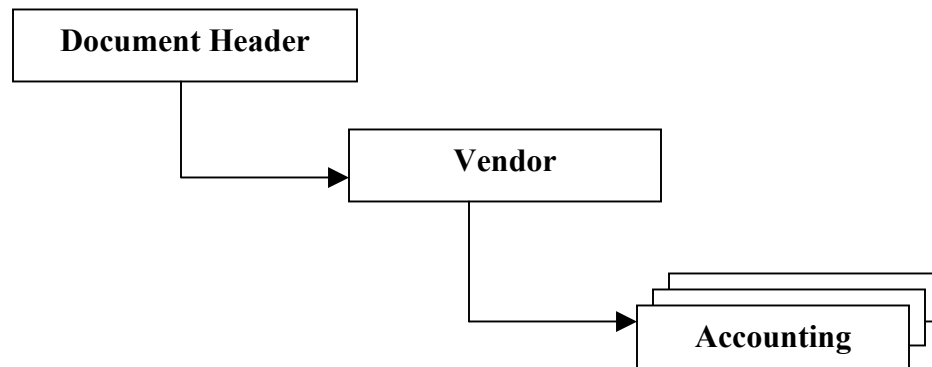
Should Have Referenced

Occurs in the single scenario where a line was not referenced and it should have been.

This document covers the General Accounting Encumbrance Correction, GAEC, transaction.

1.3. Logical Document Component Structure

The GAEC has the following logical document structure:



2. Publishable Specification

2.1. Transaction Layout: GAEC (Original Entry and Modifications)

		Action Code		Component Description
		OE	MOD	
Document Component	AMS_DOCUMENT	R	R	XML file root element.
	ABS_DOC_HDR	R	R	Lists general information associated with the entire procurement.
	ABS_DOC_VEND	R	R	Lists selected Vendor for providing the goods/services. Vendors are selected from a pick list that is populated by the Vendor/Customer (VCUST) table.
	ABS_DOC_ACTG	R	R	Lists the accounting funds for each commodity line.

R – Required

CR – Conditionally Required: Required only if modifying a field within that component

O - Optional

2.1.1 GAEC AMS_DOCUMENT root element attributes

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOC_CAT	Document Category	The category in which the document is located.	R	VarChar	8	Value: • ABS	
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VarChar	8	Value: • ABS	
DOC_CD	Document Code	The alpha-numeric identification code assigned to the document on the Document Control table.	R	VarChar	8	Value: • GAEC	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOC_DEPT_CD	Department Code	The department code assigned to this document.	R	VarChar	4	Example: • DMA • DMR	DOC_DEPT_CODE = H.TRANS-DEPT
DOC_UNIT_CD	Unit Code	The unit code associated with this document.	R	VarChar	4	Example: • 1000 • 2000	Departmental crosswalk to be used from H.TRANS-ORG to DOC_UNIT_CD
DOC_ID	Document Id	The document ID to identify this document.	R	VarChar	20	• Must begin with "INTF" • Remaining 16 characters must be used w/ no blanks • Must be unique if new	H.TRANS-NUMBER
DOC_VERS_NO	Document Version Number	The version number assigned to this document. The version is incremented with each modification draft and after with a cancellation.	R	Integer		For new transaction always = "1" For modifications = next sequential version number	
DOC_IMPORT_MODE	Document Import Mode	The import mode determining the phase of the document on import.	R	VarChar	4	Values: • "OE" = Original Entries • "MOD" = Modification	

2.1.2 GAEC Document Component: ABS_DOC_HDR

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOC_CAT	Document Category	The category in which the document is located.	R	VarChar	8	Same as in AMS_DOCUMENT	
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document.	R	VarChar	8	Same as in AMS_DOCUMENT	
DOC_CD	Document Code	The alpha-numb	R	VarChar	8	Same as in AMS_DOCUMENT	
DOC_DEPT_CD	Department	The department code assigned to this document	R	VarChar	4	Same as in AMS_DOCUMENT	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOC_ID	Document ID	The document code and number that is either manually assigned or automatically generated by the system if you do not enter this information. The version number is assigned automatically. Duplicate document identification numbers are not allowed in the system	R	VarChar	20	Same as in AMS_DOCUMENT	
DOC_UNIT_CD	Document Unit Code	The unit code associated with this document.	R	VarChar	4	Same as in AMS_DOCUMENT	
DOC_VERS_NO	Document Version	The version number assigned to this document. The version is incremented with each modification draft and after with a cancellation	R	Integer		Same as in AMS_DOCUMENT	
DOC_NM	Document Name	Name for the document.	C	VarChar	60	Can be required based on Document Control (DCTRL) table setting.	
DOC_REC_DT_DC	Record date	The record date manually entered on the document header. If not manually entered, the date becomes the one when the document was submitted successfully.		Date			H.RECORD-YEAR + H.RECORD-MONTH + H.RECORD-DAY
DOC_BFY	Budget FY	When on the header of a document, this is the default budget fiscal year that will be pushed to all accounting lines. When on any other level of a document, it is just a means of getting the header value to the accounting lines. This default value will become the accounting line's budget fiscal year where one is not manually entered or defaulted from a reference document.		Integer			H.BUDGET-FY
DOC_FY_DC	Fiscal Year	The fiscal year associated with this document.		Integer			H.FISC-YEAR

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOC_PER_DC	Period	The manually entered accounting period for a document in draft. If not manually entered, the field remains blank until the document is submitted successfully. At this point it was set to the current accounting period. This field will be automatically blanked out by the application on any modification or cancellation draft.		Byte		Example: <ul style="list-style-type: none"> 1 2 3 	H.FISC-MONTH
DOC_DSCR	Document Description	The description associated with the document.	C	VarChar	60	Can be required based on Document Control (DCTRL) table setting.	
EXT_DOC_DSCR	Extended Description	A free-form text field that will hold a large volume of information to be associated with a document component. It is larger than the regular description field, but still limited unlike attachments.		Memo			
TBD *	Replacement (Flag)	This is a user-enter field that will be marked (procedurally) when a payment request is entered initiate the creation of a replacement check. This value will be used for reporting purposes and have no specific edits associated with it.		TBD			

*This field does not currently exist in baseline and is part of a system modification

2.1.3 GAEC Document Component: ABS_DOC_VEND

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOC_CAT	Document Category	The category in which the document is located.	R	VarChar	8	Same as in AMS_DOCUMENT	
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document.	R	VarChar	8	Same as in AMS_DOCUMENT	
DOC_CD	Document Code	The alpha-numb	R	VarChar	8	Same as in AMS_DOCUMENT	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOC_DEPT_CD	Department	The department code assigned to this document	R	VarChar	4	Same as in AMS_DOCUMENT	
DOC_ID	Document ID	The document code and number that is either manually assigned or automatically generated by the system if you do not enter this information. The version number is assigned automatically. Duplicate document identification numbers are not allowed in the system	R	VarChar	20	Same as in AMS_DOCUMENT	
DOC_UNIT_CD	Document Unit Code	The unit code associated with this document.	R	VarChar	4	Same as in AMS_DOCUMENT	
DOC_VERS_NO	Document Version	The version number assigned to this document. The version is incremented with each modification draft and after with a cancellation	R	Integer		Same as in AMS_DOCUMENT	
DOC_VEND_LN_NO	Document Vendor Line Number	The vendor line number visible to a user that uniquely identifies each vendor line within a document.	R	Integer		The DOC_VEND_LN_NO is a required entry for all GAEC documents. Value: 1	
VEND_CUST_CD	Vendor Customer	The unique identifier assigned to the vendor/customer. In ADVANTAGE Financial, a vendor can also be a customer, allowing you to enter information only one time when a particular contact is both a vendor (payable) and a customer (receivable).	R	VarChar	20	The VEND_CUST_CD is a required entry for all GAEC documents. Must be valid on Vendor Customer (VCUST) table. Vendor Customer (VEND_CUST_CD) cannot be modified if DOC_IMPORT_MODE is equal to ' MOD '.	VEND_CUST_CD = H.VENDOR-ID-CODE (Cross –walk needed)
LGL_NM	Legal Name	The legally defined name of the company or individual represented by this record. The field is used for reporting if defined as not alias/DBA.		VarChar	60		

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
ALIAS_NM	Alias/DBA	The alternate name, alias or operating name (doing business as) used to identify the account.		VarChar	60		
AD_ID	Address Code	The Address Code or ID given to a unique address for a vendor or customer. The use of different Address Codes will allow a single vendor or customer code to have multiple addresses.		VarChar	20	If left blank, it will default to default AD_ID set on VCUST .	AD_ID = H.VENDOR-ADDRESS-Code (Cross-walk need)
AD_LN_1	Address Line 1	The first line of the address.		VarChar	75	If the Address Code (AD_ID) is valid, this field is inferred. Required entry for MOD if the Address Code (AD_ID) is entered.	
AD_LN_2	Address Line 2	The second line of the address.		VarChar	75		
CITY	City	The city name associated with the address.		VarChar	60	If the Address Code (AD_ID) is valid, this field is inferred. Required entry for MOD if the Address Code (AD_ID) is entered.	
ST	State	The state or province.		VarChar	2	If the Address Code (AD_ID) is valid, this field is inferred.	
ZIP	Zip	The zip code associated with the address.		VarChar	10	If the Address Code (AD_ID) is valid, this field is inferred.	
CTRY	Country	The unique identification code associated with the country.		VarChar	3		
CNTY_NM	County	The name associated with the county. If you do not provide a county name, the name does not display on reports.		VarChar	75		
CNTAC_ID	Vendor Contact ID	The unique identification number assigned to the contact. The use of different contact ID's will allow a single vendor or customer code to have multiple contacts.		VarChar	20	If left blank, it will default to default CNTAC_ID set on VCUST .	
PRIN_CNTAC	Vendor Contact Name	The vendor's procurement contact.		VarChar	60		

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
VOICE_PH_NO	Vendor Contact Phone	The telephone number associated with the contact.		VarChar	30		
VOICE_PH_EXT	Vendor Contact Phone Ext	The telephone number extension associated with the contact.		VarChar	6		
EMAIL_AD	Vendor Contact Email	The email address associated with the contact.		VarChar	100		
FAX_PH_NO	Fax	The fax extension number associated with a contact, be it a vendor, customer, or internal contact.		VarChar	30		
FAX_PH_EXT	Fax Extension	The optional fax extension number associated with the fax number for a contact, be it a vendor, customer, or internal contact.		VarChar	6		
WEB_AD	Web Address http: //	The web address for this company/individual.		VarChar	100		
VEND_DISB_CAT	Disbursement Category	The vendor/customer disbursement category associated with the document.		VarChar	4	<p>This field is a required field. However, it will default to the valid combination value if left blank.</p> <p>Must be valid on Disbursement Category (DISC) table and Disbursement Category Inference and Combination Validation (DISCIV) table.</p> <p>Disbursement Category (VEND_DISB_CAT) cannot be modified if DOC_IMPORT_MODE is equal to 'MOD'.</p>	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
SCHED_PYMT_DT	Schedule Payment Date	The date that a vendor is scheduled to receive payment.		Date		Schedule Payment Date (SCHED_PYMT_DT) cannot be less than the current date. It will be calculated by the system. Schedule Payment Date (SCHED_PYMT_DT) cannot be modified if DOC_IMPORT_MODE is equal to 'MOD'.	
DISB_PRTY_CD	Disbursement Priority	This field determines the order in which a disbursement is processed during the Automated Disbursement process. Must be valid on the Disbursement Priority page.		Integer			
DFLT_DISB_FRMT	Disbursement Format	The default disbursement format to be used when generating payments to this record. Must be valid on the Disbursement Format page.		VarChar	4		
HDLG_CD	Handling Code	The code associated with individual types of disbursement instrument handling.		Char	2		
ONL_DISB_RQST_FL	On Line Disbursement Request	Indicates that an online disbursement should be created for this payment. This flag cannot be selected if the disbursement type is EFT. If selected, this payment will be selected during the next on-line disbursement cycle.		Boolean			

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
PAY_THRD_PTY	Pay Third Party	When a Payment Request (PRC) or General Account Expenditure document (GAEC) is entered and the payment should be made to the third party, the Third Party flag must be selected. Otherwise, the payment will be made to the primary vendor. The third party vendor must exist in the system, and must have a relationship established with the primary vendor on the Vendor Customer table. (The primary vendor must identify the vendor code of its third party.) When a payment is flagged to the third party on the Vendor Line, the PRC document will infer the third party information to the Payee fields on the Disbursement Request table (DRT).		Boolean			
DISC_1_DY	Days 1	The number of days from the Invoice Date (or Transaction Date if Invoice Date is not entered), that the corresponding Discount Percentage will be used.		Integer			
DISC_2_DY	Days 2	The number of days from the Invoice Date (or Transaction Date if Invoice Date is not entered), that the corresponding Discount Percentage will be used.		Integer			
DISC_3_DY	Days 3	The number of days from the Invoice Date (or Transaction Date if Invoice Date is not entered), that the corresponding Discount Percentage will be used.		Integer			
DISC_4_DY	Days 4	The number of days from the Invoice Date (or Transaction Date if Invoice Date is not entered), that the corresponding Discount Percentage will be used.		Integer			
DISC_1_PC	Percent 1	The percentage to be used to calculate the discount amount if the payment is made within the specified number of days.		Decimal	(7,4)		
DISC_2_PC	Percent 2	The percentage to be used to calculate the discount amount if the payment is made within the specified number of days.		Decimal	(7,4)		

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DISC_3_PC	Percent 3	The percentage to be used to calculate the discount amount if the payment is made within the specified number of days.		Decimal	(7,4)		
DISC_4_PC	Percent 4	The percentage to be used to calculate the discount amount if the payment is made within the specified number of days.		Decimal	(7,4)		
DISC_ALW_1_FL	Discount Always 1	When selected, indicates that all other subsequent discount terms no longer apply. The discount always applies, even if the number of net days has passed. Default is cleared. Only one of the discount always flags can be selected at any given time.		Boolean			
DISC_ALW_2_FL	Discount Always 2	When selected, indicates that all other subsequent discount terms no longer apply. The discount always applies, even if the number of net days has passed. Default is cleared. Only one of the discount always flags can be selected at any given time.		Boolean			
DISC_ALW_3_FL	Discount Always 3	When selected, indicates that all other subsequent discount terms no longer apply. The discount always applies, even if the number of net days has passed. Default is cleared. Only one of the discount always flags can be selected at any given time.		Boolean			
DISC_ALW_4_FL	Discount Always 4	When selected, indicates that all other subsequent discount terms no longer apply. The discount always applies, even if the number of net days has passed. Default is cleared. Only one of the discount always flags can be selected at any given time.		Boolean			

2.1.4 GAEC Document Component: ABS_DOC_ACTG

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOC_CAT	Document Category	The category in which the document is located.	R	VarChar	8	Same as in AMS_DOCUMENT	
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document.	R	VarChar	8	Same as in AMS_DOCUMENT	
DOC_CD	Document Code	The alpha-numb	R	VarChar	8	Same as in AMS_DOCUMENT	
DOC_DEPT_CD	Department	The department code assigned to this document	R	VarChar	4	Same as in AMS_DOCUMENT	
DOC_ID	Document ID	The document code and number that is either manually assigned or automatically generated by the system if you do not enter this information. The version number is assigned automatically. Duplicate document identification numbers are not allowed in the system	R	VarChar	20	Same as in AMS_DOCUMENT	
DOC_UNIT_CD	Document Unit Code	The unit code associated with this document.	R	VarChar	4	Same as in AMS_DOCUMENT	
DOC_VERS_NO	Document Version	The version number assigned to this document. The version is incremented with each modification draft and after with a cancellation	R	VarChar		Same as in AMS_DOCUMENT	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
EVNT_TYP_ID	Event Type	The alpha-numeric identification code assigned to an event type. Each event type ID must be unique within the application. It is required when completing any accounting or budgeting document with the exception of certain journal vouchers. Default event types can be established on the Allowable Event Types for Document Code table for each document code for the most commonly used ones to reduce data entry. Other crosswalk tables aid accounts receivable and payable documents to default the correct event type when a document is referenced based on the one from the referenced document. It also may be a selection criteria on a parameter table, a key to a specific business rule on a control table, or the event type recorded on a historical record.	R	VarChar	4	Required to provide a valid Event Type. The Allowable Event Types are TBD and will be included in the next version of this specification. Event Type (EVNT_TYP_ID) cannot be modified if DOC_IMPORT_MODE is equal to 'MOD'.	
ACTG_TMPL_ID	Accounting Template	The unique identification code assigned to the accounting template. Accounting templates are used to bring in chart of account element codes for ease of data entry on documents.		VarChar	6	The Department may choose to set up an Accounting Template, which will contain Budget information. Use of the Account Template will default Account Template (Budget) information for the Accounting Line. Must be valid on Accounting Template (ACTPL) table.	
ACTG_LN_DSCR	Line Description	The description associated with the line.		VarChar	100	Department may provide Accounting Line Description in this data element.	
LN_AM	Line Amount	The amount of an individual record of a document component, be it the header, vendor line, commodity line, accounting line, budget line, or allotment. The amount could also be the amount recorded to a table that tracks document updates such as the Statement Detail table or a journal.	R	Currency		Line amount to be corrected on the encumbrance document.	LN_AM = L.LINE -AMONT

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
BFY	Budget FY	The budget fiscal year with which this calendar date is associated. Must be valid on the Fiscal Year page.	C	Integer		It is a required field if DOC_IMPORT_MODE is equal to ' MOD '. However, this field may not be required if one is referencing the reference document (GAE) with the Budget FY in the accounting line.	H.BUDGET-FY
FY_DC	Fiscal Year	The fiscal year on an accounting document that defaults to the current year or is manually entered by a user, which is used to look up options, validate codes, and ultimately records accounting entries. This date is automatically cleared by the system when a modification or cancellation is done.		Integer		Example: <ul style="list-style-type: none"> • 2004 • 2005 	H.FISC-YEAR
PER_DC	Period	The accounting period manually entered or loaded offline on a document's accounting line. The field is also populated when an accounting period is entered or loaded offline to the header that defaults to all accounting lines. If not manually or offline loaded, the field is set to the current period when the document reaches the final state. This period value is what is written to all journals and ledgers. This field is reset to blanks when a cancellation or modification is done.		Byte		Example: <ul style="list-style-type: none"> • 1 • 2 • 5 • 12 	H.FISC-MONTH
VEND_INV_NO	Vendor Invoice Number	The invoice number from the invoice received from the vendor.		VarChar	30	If providing a VEND_INV_NO, the VEND_INV_LN_NO and VEND_INV_DT are also required. Vendor Invoice number (VEND_INV_NO) cannot be modified if DOC_IMPORT_MODE is equal to ' MOD '.	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
VEND_INV_LN_NO	Vendor Invoice Line	The invoice line number from the invoice received from the vendor.		Integer		If providing a VEND_INV_LN_NO, the VEND_INV_NO and VEND_INV_DT are also required.	
VEND_INV_DT	Vendor Invoice Date	The date of the invoice received from the vendor.		Date		If providing a VEND_INV_DT, the VEND_INV_LN_NO and VEND_INV_NO are also required. Vendor Invoice Date (VEND_INV_DT) cannot be modified if DOC_IMPORT_MODE is equal to 'MOD'.	
RFED_DOC_CD	Ref Doc Code	The document code from the referenced document.	R	VarChar	8	Must reference an encumbrance. Example: • GAE	L.REF-TRANS-CODE
RFED_DOC_DEPT_CD	Ref Doc Dept CD	Department code that is part of the complete document identification of a referenced document.	R	VarChar	4	Example: • DMH • DMR	L.REF-TRANS-DEPT
RFED_DOC_ID	Ref Doc Id	The document identification code from the referenced document.	R	VarChar	20		L.REF-TRANS-NUM
RFED_VEND_LN_NO	Ref Vendor Line	The vendor line number from the referenced document.	R	Integer		Value: • 1	
RFED_ACTG_LN_NO	Ref Accounting Line	The accounting line number from the referenced document.	R	Integer		Must reference the accounting line being corrected.	
RF_TYP	Ref Type	Defines the type of reference being performed against the specified referenced transaction line. "Final" closes the referenced line, meaning additional references are not allowed. "Partial" and "Memo" do not close the referenced line, allowing additional transactions to reference this line.	R	Integer		Must specify the Reference Type on the accounting line being corrected. Values: 1 – Partial 2 – Final 3 – Memo 4 – Inverse	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
FUND_CD	Fund	The identification code associated with a fund record, which is an essential part of a governmental accounting system. Values may be entered as a chart of account element on a budget or accounting document. The Fund may also be used as a selection criteria on an input parameter. The Fund may be entered to associate rules with a fund that are designated on other tables than the fund table. Lastly, it can be the fund recorded on a historical record.	C	VarChar	4	FUND_CD is inferred if referencing the accounting line of the reference encumbrance document. Must be valid on Fund (FUND) table.	FUND_CD = "0"+ L.Fund
SFUND_CD	Sub Fund	The identification code associated with the sub-fund.		VarChar	4	SFUND_CD is inferred if referencing the accounting line of the reference encumbrance document. Must be valid on Sub Fund (SFUND) table.	
DEPT_CD	Department	An identification code assigned to an central organizational level element where the decentral structure is set. The department field may be used as an input field on a document, an additional key to another chart of account element, a selection criteria on a parameter table, a key to a specific business rule on a control table, a field to be inferred on a document, or the department value on a historical record.	C	VarChar	4	DEPT_CD is inferred if referencing the accounting line of the reference encumbrance document. Must be valid on Department (DEPT) table.	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
UNIT_CD	Unit	Unit is the lowest organizational level in the main organizational structure. Only sub unit is lower, but it is not necessarily required as unit is. At the unit level, all the organizational elements it reports to are defined so that they are inferred to accounting documents. Unit codes themselves can be values entered on budgeting and accounting documents, keys to business rule tables, and values seen in historical records.	C	VarChar	4	UNIT_CD is inferred if referencing the accounting line of the reference encumbrance document. Must be valid on Unit (UNIT) table.	
SUNIT_CD	Sub Unit	Sub Unit is a means of breaking down a unit code into smaller measurements. It is the lowest level of organizational structure and is required or prohibited based on one or more sub unit requirement tables.		VarChar	4	SUNIT_CD is inferred if referencing the accounting line of the reference encumbrance document. Must be valid on Sub Unit (SUNIT) table.	
APPR_CD	Appr	The identification code assigned to a single appropriation unit. An appropriation is a budgeting Chart of Accounts element. The appropriation field may be used as an input field on a document, a selection criteria on a parameter table, a key to a specific business rule on a control table, a field to be inferred on a document, or the appropriation value on a historical record.	C	VarChar	9	APPR_CD is inferred if referencing the accounting line of the reference encumbrance document. Must be valid on Appropriation (APPR) table.	APPR_CD =L APPR-CODE (Cross-Walk needed)
OBJ_CD	Object	The identification code associated with an object of expenditure. Object is a fund accounting Chart of Accounts element. These codes can then be used to create expense budgets, track spending activity, trigger business rules, and serve as selection criteria for batch jobs.	C	VarChar	4	OBJ_CD is inferred if referencing the accounting line of the reference encumbrance document. Must be valid on Object (OBJ) table.	OBJ_CD = L.OBJECT
SOBJ_CD	Sub Object	The identification code associated with the sub-object. Sub-object is a fund accounting Chart of Accounts element.		VarChar	4	Must be valid on Sub Object (SOBJ) table.	SOBJ_CD = L.SUB-OBJECT

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOBJ_CD	Dept Object	The identification code assigned to the Department object.		VarChar	4		
LOC_CD	Location	The identification code assigned to the location. Location is a programmatic Chart of Accounts element.		VarChar	4		
SLOC_CD	Sub Location	The identification code associated with the sub-location.		VarChar	4		
ACTV_CD	Activity	The identification code associated with the activity. An activity is an internal program that you want to define for budgeting and/or reporting purposes. Activities can cut across agency and fund boundaries.		VarChar	4		
SACTV_CD	Sub Activity	The identification code associated with the sub-activity.		VarChar	4		
FUNC_CD	Function	The identification code associated with the function. The function code defines broad operational objectives, such as instruction, support services, and facilities acquisition.		VarChar	4		
SFUNC_CD	Sub Function	The identification code associated with the sub-function.		VarChar	4		SFUND_CD = L.REPORTING-CATEGORY
RPT_CD	Reporting	The reporting code element is a programmatic element that can be used in many different ways for measurement and tracking. It is even used as an informal cost accounting entity at times. It can be used on all accounting documents and is stored in journals and optionally in ledgers.		VarChar	10		
SRPT_CD	Sub Reporting	Sub reporting codes are used to further define a specific reporting code.		VarChar	4		
TASK_CD	Task	The unique identification code assigned to the task.		VarChar	4		
STASK_CD	Sub Task	The sub task is a means of breaking down tasks into smaller components.		VarChar	4		

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
TASK_ORD_CD	Task Order	The unique identification code assigned to the task order.		VarChar	6		
PROG_CD	Program	The identification code assigned to the program. Program is a cost accounting Chart of Accounts element. The program field may be used as an input field on a document, a selection criteria on a parameter table, a key to a specific business rule on a control table, a field to be inferred on a document, or the program value on a historical record.		VarChar	6		
PHASE_CD	Phase	The identification code assigned to the phase. Phase is a cost accounting Chart of Accounts element representing a phase of a program.		VarChar	4		
PPC_CD	Program Period	The identification code assigned to the program period.		VarChar	6		
SVC_FRM_DT	Service From Date	The service from date from the Payment Request document.	R	Date			
SVC_TO_DT	Service To Date	The service to date from the Payment Request document	R	Date			
TBD*	Disbursement Frequency	Designates an accounting line as eligible for daily or weekly disbursement. Infer from the Advance Type Field. If Advance Type is blank, infer from the Object tables based on the value entered in the Object field.		TBD*			
TBD*	Special Instructions Code	This is a user-entered field that is a code defined on the SPIS table that will associate an accounting line with a predefined text message. This will carry forward to the disbursement document accounting line so that it is available as information for the check stub. Must be a valid code on the Special Instructions (SPIS) table.		TBD*			

*This field does not currently exist in baseline and is part of a system modification

2.1.5 Original Entry GAEC Example 1 – XML layout for overpayment refund

A non-commodity-based payment request (GAX) was processed for \$1000.00 to vendor code "VC0000001". It referenced a contract established with the vendor on a GAE document. The department responsible for the payment request noticed the mistake two weeks after the treasury cut the check. The mistake was that only \$900.00 should have been paid to the vendor. That department has been negotiating this situation with the vendor and he has agreed to refund the department for \$100.00

The vendor then sent a check to the department. That department deposited the check in their bank. The treasury then swept that cash with a CD, recording it in their clearing fund (699) as revenue, using the standard COA for that department and bank.

The department creates an expenditure refund (ER) for the amount of money the vendor refunded them (not shown in this example).

The department creates an encumbrance correction (GAEC) with an accounting line inversely referencing the GAE for \$100 with the "reopen encumbrance" event type.

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2.1.6 Original Entry GAEC Example 2 – XML layout for incorrect encumbrance reference

A non-commodity-based payment request (GAX) was processed for \$1500 to vendor code "VC0000001". It referenced a non-commodity-based encumbrance (GAE) established with the vendor for \$2,000. The department responsible for the payment request noticed the mistake two weeks after the treasury cut the check. The mistake was that the reference to the GAE was done as partial, when it should have been as final because Bob finished the work in question.

Since there was no refund involved, the department only had one step to perform – close \$500 against the GAE. This can be done one of two ways, resulting in the same accounting and GAE updates.

1. Create a new GAX with a \$0 line referencing the GAE line as Final.
2. Create a General Accounting Encumbrance Correction (GAEC) with the Liquidate Encumbrance event type for \$0 and a reference type of final (see below).

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